

$$y = a \wedge d$$

$$o_1 = \langle b \wedge d, c \wedge e \wedge d \rangle$$

$$o_2 = \langle b, a \wedge c \wedge d \rangle$$

$$o_3 = \langle a, d \rangle$$

$$\begin{aligned} \text{sreg}_{o_3}(y) &= a \wedge (\perp \vee (a \wedge \perp)) \wedge (T \vee (d \wedge \perp)) \wedge (a \wedge \perp) \wedge \neg(T \wedge \perp) \\ &= a \wedge a \wedge T \wedge T \wedge T \end{aligned}$$

$$p_0 = a$$

$$\begin{aligned} \text{sreg}_{o_1}(\text{sreg}_{o_3}(y)) &= b \wedge d \wedge (\perp \vee (a \wedge \perp)) \wedge \neg(\perp \wedge \perp) \\ &= b \wedge d \wedge a \end{aligned}$$

$$p_1 = a \wedge b \wedge d$$

$$\text{sreg}_{o_2}(\text{sreg}_{o_3}(y)) = b \wedge (\perp \vee (a \wedge \perp)) \wedge \neg(T \wedge \perp)$$

$$p_2 = b$$

$$\begin{aligned} \text{sreg}_{o_3}(\text{sreg}_{o_3}(y)) &= a \wedge (\perp \vee (a \wedge \perp)) \wedge \neg(\perp \wedge \perp) \\ &= a \wedge a \end{aligned}$$

$$p_0 = p_2 = a$$

$$\begin{aligned} \text{sreg}_{o_3}(p_1) &= a \wedge (\perp \vee (a \wedge \perp)) \wedge (\perp \vee (b \wedge \perp)) \wedge (T \vee (d \wedge \perp)) \wedge (\perp \wedge \perp) \wedge \neg(T \wedge \perp) \\ &= a \wedge a \wedge b \wedge T \wedge T \wedge T \end{aligned}$$

$$p_4 = a \wedge b$$

$$\text{sreg}_{o_1}(p_2) = b \wedge d \wedge (\perp \vee (b \wedge \perp)) \wedge \neg(\perp \wedge \perp)$$

$$p_5 = b \wedge d$$

$$\text{sreg}_{o_2}(p_2) = b \wedge (\perp \vee (b \wedge \perp)) \wedge \neg(\perp \wedge \perp)$$

$$p_6 = b$$

$$\text{sreg}_{o_3}(p_2) = a \wedge (\perp \vee (b \wedge \perp)) \wedge \neg(\perp \wedge \perp)$$

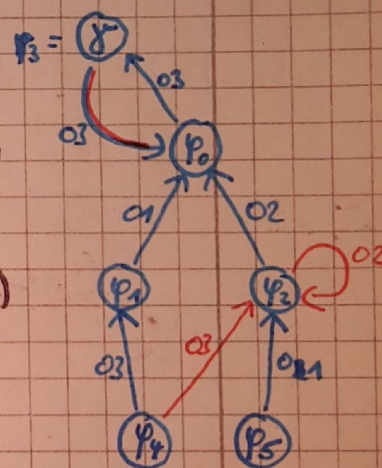
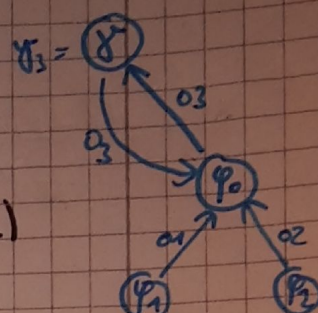
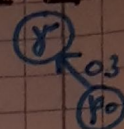
$$p_7 = a \wedge b$$

$$\text{sreg}_{o_1}(p_4) = b \wedge d \wedge a \wedge b \wedge T \wedge T$$

$$p_8 = a \wedge b \wedge d$$

$$\text{sreg}_{o_2}(p_4) = b \wedge T \wedge b \wedge T \wedge T$$

$$= b$$





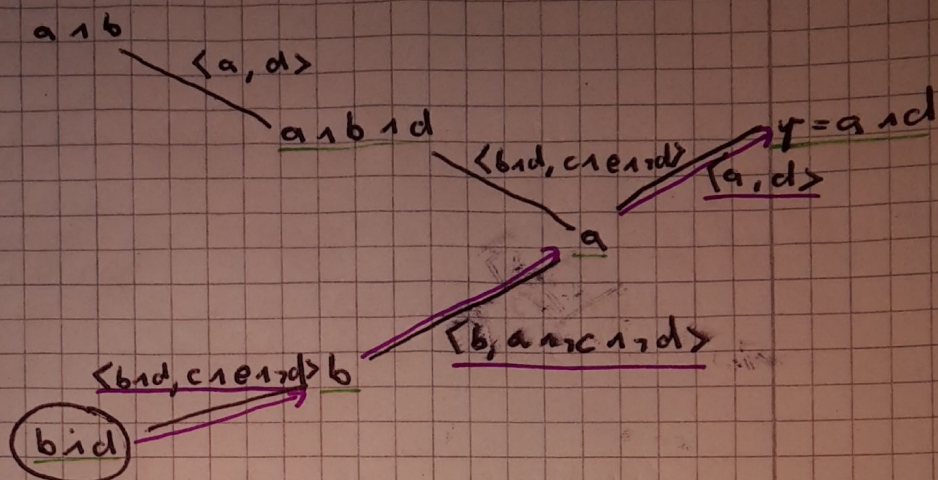
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$$\text{seq}_{03}(\varphi_4) = a \wedge a \wedge b \wedge T \wedge T \\ = \underline{a \wedge b}$$

$$\text{seq}_{03}(\varphi_5) = a \wedge b \wedge (T \vee (d \wedge \perp)) \wedge (\perp \vee \perp) \wedge (T \wedge \perp) \\ = \underline{a \wedge b}$$

~~1. a, d~~



$$\text{init } I = \{ a \mapsto 0, \underline{b \mapsto 1}, c \mapsto 0, \underline{d \mapsto 1}, e \mapsto 1 \}$$